|   |  |  |  | Docket No.:  |                                  |
|---|--|--|--|--|----------------------------------|
| DECLARATION AND POWER   | OF ATTORNEY  | FOR UTILI  | TY OR DESIGN PATENT  | APPLICATION  | (37 CFR 1 63)                    |
| As a below named inventor, I hereb<br>name. I believe I am the original, fin<br>plural names are listed below) of the   | by declare that: Marst and sole invent                           | My residence, n  | nailing address, and citizens  | hip are as stated b  | elow next to my                  |
| "Holographic diffractio   | n grating, process   | for its preparat                                       | ion and electro-optical device   | es including the sa  | me"                              |
|   |  |  | opudar device  | es merading the sai  | ine                              |
| the application of which  is attached hereto  | OR   | PCT Inte   | filed on July 8, 2004 as Unite<br>ernational Application Numb<br>nation No(if a  | ed States Application<br>for PCT/IB2004/05<br>), and was amentapplicable). | 1174                             |
| I hereby state that I have reviewed at by any amendment specifically referred   | nd understand the ed to above.                                   | contents of the  | above identified application   | n, including the cla   | ims, as amended                  |
| I acknowledge the duty to disclos<br>continuation-in-part application(s), m<br>the national or PCT international filin  | iaicitat illioimalioi  | n which becam  | e available between the fili-  | ed in 37 CFR 1.5 ag date of the prior                                      | 6, including for application and |
| I hereby claim foreign priority under<br>breeder's rights certificate(s), or 365(<br>United States of America, listed belo<br>inventor's or plant breeder's rights of<br>application on which priority is claimed         | bw and have also certificate(s), or a                            | emational applidentified helo                          | ication(s) which designated  | at least one count   | ry other than the                |
| Prior Application Number(s)   | Com  | <b></b> .  | -  | Priority   | Claimed                          |
| TO2003A000530   | Cour<br>Ita  | ,  | Filing Date  | Yes  | No                               |
|   |  |  | July 9, 2003   | ☒  |                                  |
| I hereby claim benefit under 35 United  | 1 States Code §119   | (e) of any Uni   | ted States provisional applica   | ation(s) listed below  | w.                               |
|   | plication Number(s)  |  | Filing Date  | .,   |                                  |
| I hereby claim benefit under 35 Unit application(s) designating the United 3 not disclosed in a listed prior United S United States Code, §112, I acknowl defined in 37 C.F.R. 1.56 which occur date of this application: | States, listed below<br>States or PCT Inter-<br>ledge my duty to | v and, insorar a<br>national applic<br>disclose any in | is the subject matter of each ation in the manner provided of the result | of the claims of the<br>by the first paragrater tability of the            | raph of Title 35,                |
| Prior U.S. or International Application   | Number(s)  | U.S. or Inter  | national Filing Date   | Stat   | us                               |
| I hereby appoint all attorneys of SUG my attorneys to prosecute this applicatherewith, recognizing that the specifi discretion of Sughrue Mion, PLLC, and the same USPTO Customer Number.                                 | uon and to transa<br>c attornevs listed                          | ict all business<br>under that Cus                     | in the United States Patent  | and Trademark O  | ffice connected                  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

washington office 23373

| NAME OF SOLE OR FIRST INVE                      | ENTOR:                      | W. T. |        |                            |
|---|-----------------------------|---|--------|----------------------------|
| Given Name                                      |                             |   |        |                            |
| (first and middle [if any]) Roberto             |                             | Family Name or Surnan                     | ne C   | APUTO                      |
| Inventor's Signature Gobe                       | 16 Copt                     |   | Date   | March 30, 2006             |
| RENDE<br>Residence: City (Cosenza)              | State                       | Country Italy                             |        | Citizenship Italian        |
| Mailing Address: Via Parigi 21                  | T                           | 1   |        | <b>T</b>                   |
| City RENDE (Cosenza)                            | State                       | Zip I-87036                               |        | Country Italy              |
| NAME OF SECOND INVENTOR:                        |                             |   |        |                            |
| Given Name (first and middle [if any]) Cesare   |                             | Family Name or Surnam                     | ne UI  | METON                      |
| Inventor's Signature                            | plet)                       |   | Date   | March 30, 2006             |
| RENDE<br>Residence: City (Cosenza)              | State                       | Country Italy                             |        | Citizenship Italian        |
| Mailing Address: Via Tevere 68                  | T                           |   |        |                            |
| City RENDE (Cosenza)                            | State                       | Zip I-87036                               |        | Country Italy              |
| NAME OF THIRD INVENTOR:                         |                             |   |        |                            |
| Given Name (first and middle [if any]) Alessand | dro                         | Family Name or Surnam                     | ie VI  | ELTRI                      |
| Inventor's Signature Alum                       | Arli                        | r   | Date M | arch 30, 2006              |
| Residence: City COSENZA                         | State                       | Country. Italy                            |        | Citizenship Italian        |
| Mailing Address: Via P. Borselline              | o - Fabbricato S.E.M., s.n. | •   |        |                            |
| City COSENZA                                    | State                       | Zip I-87100                               |        | Country Italy              |
| NAME OF FOURTH INVENTOR:                        |                             |   |        |                            |
| Given Name (first and middle [if any]) Audrey   | ·                           | Family Name or Surnam                     | ie SU  | JKHOV .                    |
| Inventor's Signature                            |                             |   | Date   | March 30, 2006             |
| Residence: City MOSCOW                          | State                       | Country Russian Fede                      | ration | Citizenship Russian        |
| Mailing Address: Pr. Karamzina 9                | - Apt. 60                   |   |        |                            |
| City MOSCOW                                     | State                       | Zip 117463                                |        | Country Russian Federation |
| NAME OF FIFTH INVENTOR:                         |                             |   |        |                            |
| Given Name (first and middle [if any]) Nelson   | $\bigcirc$                  | Family Name or Surnam                     | e TA   | ABIRYAN                    |
| Inventor's Signature                            | TAL                         |   | Date M | arch 30, 2006              |
| Residence: City Winter Park                     | State Florida               | Country U.S.A.                            |        | Citizenship Armenian       |
| Mailing Address: 809 South Orland               | o Avenue - Suite I          |   |        |                            |
| City Winter Park                                | State Florida               | Zip 32789                                 |        | Country U.S.A.             |

| Applic   | ant or Patentee:   |  | • •   | •  |   |  | Attorney's Docket No   |
|--|--|--|---|--|---|--|--|
|  | or Patent No.:   |  |   |  | •   |  |  |
|  | or Issued:   |  |   |  |   |  |  |
| For:   |  |  |   |  |   |  | •  |
|  | VERIF  |  |   | ECLARATION) C<br>ad 1.27(c)) — <u>SMA</u>  |   |  | STATUS   |
| I hereb  | oy declare that I am [ ] the owner of [ X ] an official of   | of the small   | business con  | cern identified belo<br>cerned empowered   | ow:<br>to act on behal  | f of the concern   | identified below:  |
|  | NAME OF CON<br>ADDRESS OF C  |  | PER LA F  | O NAZIONALE DE<br>ISICA DELLA MA<br>Perrone 24, I  | ATERIA  | ,  | TUTO NAZIONALE   |
| and rep<br>that the<br>stateme<br>persons<br>affiliate   | oroduced in 37 CFR<br>e number of emplo<br>ent, (1) the numbe<br>s employed on a ful   | 1.9(d), for<br>eyees of the<br>r of employ<br>ll-time, part<br>en either, di   | purposes of p<br>concern, includes<br>ees of the bust-<br>time or temp<br>rectly or indire  | aying reduced fees unding those of its a siness concern is the porary basis during e   | inder section 41<br>iffiliates, does r<br>le average over<br>each of the pay j  | (a) and (b) of Tit<br>not exceed 500 pe<br>the previous fisc<br>periods of the fisc  | defined in 13 CFR 121.3-18 le 35, United States Code, in ersons. For purposes of this al year of the concern of the al year, and (2) concerns are the other, or a third party of   |
| with repart of and e   | gard to the inventi<br>lectro—optica   | on, entitled<br>1 device   | l "Hologra<br>s includi:  | phic diffract:   | ion grating   | , process fo   | ess concernidentified above<br>or its preparation<br>son by inventor(s)<br>TABIRYAN  |
| •  | ed in:   | tion filed h   | erewith   |  |   |  |  |
| rights to<br>qualify a<br>CFR 1.9  | [ ] the specifica [ X ] application : [ ] patent no. [ ] ights held by the abothe invention is lists a small business of (d) or a nonprofit  | serial no.  pove identif sted below <sup>e</sup> oncern unde   | PCT/IB2004  ied small busi and no rights er 37 CFR 1.90 n under 37 Cl   | , issued ness concern are no s to the invention ar d) or by any concern  | ot exclusive, eac<br>e held by any po<br>which would no<br>Separate verific   | erson, other than<br>ot qualify as a sma<br>ed statements are  | ern or organization having<br>the inventor, who could not<br>Il business concern under 37<br>required from each named  |
| rights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N   | [ ] the specifica [ X ] application : [ ] patent no. [ ] ights held by the about the invention is lies a small business of [d] or a nonprofit concern or organization.   | serial no.  pove identificated belowern under organization havis   | PCT/IB2004  ied small busi and no rights er 37 CFR 1.90 n under 37 Cl   | , issued  ness concern are no s to the invention ar (d) or by any concern FR 1.9(e). *NOTE:  | ot exclusive, eac<br>e held by any po<br>which would no<br>Separate verific   | h individual, conc<br>erson, other than<br>ot qualify as a sma<br>ed statements are  | ern or organization having<br>the inventor, who could not<br>Il business concern under 37<br>required from each named  |
| rights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N   | [ ] the specifica [ X ] application : [ ] patent no. [ ] ights held by the about the invention is lies a small business of (d) or a nonprofit concern or organization.   | serial no.  pove identificated belowern under organization havis   | PCT/IB2004  ied small busi and no rights er 37 CFR 1.90 n under 37 Cl   | , issued  ness concern are no s to the invention ar (d) or by any concern FR 1.9(e). *NOTE:  | ot exclusive, eac<br>e held by any po<br>which would no<br>Separate verific   | h individual, conc<br>erson, other than<br>ot qualify as a sma<br>ed statements are  | ern or organization having<br>the inventor, who could not<br>Il business concern under 37<br>required from each named  |
| rights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N<br>ADDRE  | [ ] the specifica [ X ] application : [ ] patent no. [ ] ights held by the about the invention is lies a small business of [d] or a nonprofit concern or organization.   | serial no.  bove identife sted beloweroncern und organization havir  | ied small busi<br>and no rights<br>er 37 CFR 1.90<br>n under 37 Ci<br>ng rights to th   | , issued  ness concern are no s to the invention ar (d) or by any concern FR 1.9(e). *NOTE:  | ot exclusive, eace held by any per which would no Separate verifient to their state   | h individual, concerson, other than ot qualify as a smaed statements are us as small entiti  | ern or organization having<br>the inventor, who could not<br>Il business concern under 37<br>required from each named  |
| ights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N<br>ADDRE   | [ ] the specifica [ X ] application : [ ] patent no.  ights held by the abouthe invention is limited by the invention is limited by the invention is limited by the invention of the invention of the invention of the invention of the invention is limited by the invention of the invention is limited by the invention of the inventi | serial no.   | ied small busi<br>and no rights<br>er 37 CFR 1.90<br>n under 37 Ci<br>ng rights to th   | , issued  ness concern are no s to the invention ar (d) or by any concern FR 1.9(e). *NOTE: ne invention averri  USINESS CONCER  | ot exclusive, eace held by any per which would not separate verifient to their state.   | h individual, concerson, other than ot qualify as a smaed statements are us as small entiti  | tern or organization having the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  |
| rights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N<br>ADDRE  | [ ] the specifica [ X ] application : [ ] patent no.  ights held by the abouthe invention is limple as a small business of the concern or organization or organi | serial no.   | ied small busi<br>and no rights<br>er 37 CFR 1.90<br>n under 37 Ci<br>ng rights to th   | , issued ness concern are no to the invention ar (d) or by any concern FR 1.9(e). *NOTE: ne invention averri   | ot exclusive, eace held by any per which would not separate verifient to their state.   | h individual, concerson, other than ot qualify as a smaed statements are us as small entiti  | tern or organization having the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  |
| rights to<br>qualify a<br>CFR 1.9<br>person,<br>FULL N<br>ADDRE  | [ ] the specifica [ X ] application : [ ] patent no.  ights held by the abouthe invention is limited by the invention is limited by the invention is limited by the invention of the invention of the invention of the invention of the invention is limited by the invention of the invention is limited by the invention of the inventi | serial no.   | ied small busi<br>and no rights<br>er 37 CFR 1.90<br>n under 37 Ci<br>ng rights to th   | , issued  ness concern are no s to the invention ar (d) or by any concern FR 1.9(e). *NOTE: ne invention averri  USINESS CONCER  | ot exclusive, eace held by any per which would not separate verifient to their state.   | h individual, concerson, other than or qualify as a smart statements are us as small entiti  | tern or organization having the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  |
| rights to qualify a CFR 1.9 person, FULL N ADDRE   | [ ] the specifica [ X ] application : [ ] patent no.  ights held by the about the invention is limited by the invention is limited by the invention is limited by the invention of the invention of the invention is limited by the invention in the invention is limited by the invention in the invention in the invention is limited by the invention in the invention in the invention is limited by the invention in the invention is limited by the about the invention is limited by the invention in the invention in the invention is limited by the invention in t | serial no.   | ied small busic and no rights er 37 CFR 1.90 n under 37 Cing rights to the small busic state of particles of paying time of paying  | , issued  ness concern are no to the invention ar (d) or by any concern FR 1.9(e). *NOTE: ne invention averrin  USINESS CONCER  atent, notification og, the earliest of the  | ot exclusive, eace held by any per which would not separate verifient to their state.  RN [   | h individual, concerson, other than or qualify as a smaled statements are us as small entiti   | tern or organization having the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  |
| rights to qualify a CFR 1.9 person, FULL NADDRE  | [ ] the specifica [ X ] application : [ ] patent no. [ ] patent no | bove identificated below oncern under organization having a line of the content o | ied small busic and no rights and no rights or 37 CFR 1.90 nunder 37 Clarg rights to the small busic state of paying propriate. (3) these statement, or both and no recognition or propriate of paying propriate. | , issued  ness concern are not to the invention are (d) or by any concern FR 1.9(e). NOTE: the invention averring the invention averring the invention averring the invention averring the invention of the carliest of the ca | t exclusive, eace held by any per which would not separate verifient to their state.  RN [  fany change in sissue fee or any etrue and that a h the knowledge of Title 18 of  | h individual, concerson, other than or qualify as a smaled statements are us as small entitions.  ] NON PROFIT.  ] NON PROFIT.  status resulting in maintenance fee that willful false the United States.  | tern or organization having the inventor, who could not all business concern under 37 required from each named es. (37 CFR 1.27)  TORGANIZATION  LOSS of entitlement to small  |
| rights to qualify a CFR 1.9 person, FULL NADDRE  acknown tratus as hereby are belie alse statemer  NAME (CITLE COUNTY)   | [ ] the specifica [ X ] application s [ X ] application s [ ] patent no. [ ] patent no. [ ] patent no. [ ] is a small business of [ X ] or a nonprofit concern or organization of the concern or organization or organizatio | le, in this appropriate the correct the co | ied small busic and no rights and no rights er 37 CFR 1.90 nunder 37 Cing rights to the small busic state of paying personal propriate. (3) de herein of ment, or boralidity of the ROBERTO OWNER                 | , issued  ness concern are not to the invention are (d) or by any concern FR 1.9(e). NOTE: the invention averring the invention averring the invention averring the invention averring the invention of the carliest of the ca | e exclusive, eace held by any per which would not separate verified by their state of the knowledge of the knowledge of their issuing the of their state of their issuing the of their state of their issuing the of their state of | h individual, concerson, other than or qualify as a smaled statements are us as small entitions as small entitions. I NON PROFIT.  J NON PROFIT.  J NON PROFIT.  Status resulting in maintenance fee that willful false the United States are on, or any paragraphs. | the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  TORGANIZATION  LOSS of entitlement to small due after the date on which estatements and the like so a Code, and that such willful tent to which this verified |
| rights to qualify a CFR 1.9 person, FULL NADDRE  FULL NADDRE  acknown entity status as hereby are belie made are alse statement alse statement NAME (CITLE CADDRE) | [ ] the specifica [ X ] application of the invention is lied as a small business of the invention of the inv | le, in this appropriate the correct the co | ied small busic and no rights and no rights er 37 CFR 1.90 nunder 37 Cing rights to the small busic state of paying personal propriate. (3) de herein of ment, or boralidity of the ROBERTO OWNER                 | usiness concern are not to the invention averring the invention averring the invention averring the invention averring the invention of the concern | e exclusive, eace held by any per which would not separate verified by their state of the knowledge of the knowledge of their issuing the of their state of their issuing the of their state of their issuing the of their state of | h individual, concerson, other than of qualify as a small ed statements are us as small entitied.  ] NON PROFIT.  ] NON PROFIT.  Status resulting in maintenance fee that willful falso the United States are on, or any paragraphs.                                 | the inventor, who could not ll business concern under 37 required from each named es. (37 CFR 1.27)  TORGANIZATION  LOSS of entitlement to small due after the date on which estatements and the like so a Code, and that such willful tent to which this verified |